

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently amended) ~~Method of copy detection of a~~ A method of detecting a copy amongst at least one record carrier on which having a table of contents is mastered, wherein said the method comprising acts of mastering a non-standard table of contents is mastered on said an original record carrier, in a detectable non-standard way a standard table of contents indicating that the corresponding at least one record carrier is a copy.

2. (Currently amended) ~~Method~~ The method according to claim 1, wherein the a sequence of entries in the table of contents on the original record carrier is mixed up compared to the a standard sequence.

3. (Currently amended) ~~Method~~ The method according to claim 1, wherein a number of repetitions of entries in the table of contents

on the original record carrier is varied compared to ~~the~~ a standard number of repetitions.

4. (Currently amended) ~~Method~~ The method according to claim 1, wherein ~~said~~ entries in the table of contents are mastered only in a predetermined area on said original record carrier ~~mastered~~ in a detectable non-standard way.

5. (Currently amended) ~~Method~~ The method according to claim 1, further comprising ~~the steps~~ acts of:

[[-]] storing subcode data on said original record carrier in subcode frames of a subcode channel, each subcode frame comprising synchronization symbols and data symbols at predetermined positions within said subcode frame; ~~and~~

[[-]] assigning and storing a number of additional synchronization symbols to at least one subcode frame at positions provided for data symbols; and

~~so that~~ generating, during read-out of said subcode channel, a check signal ~~can be generated~~ indicating the presence or absence of said additional synchronization symbols.

6. (Currently amended) ~~Method~~ The method according to claim 5,
~~wherein comprising acts of:~~

storing a unique identifier uniquely identifying said record
carrier ~~is stored in~~ said subcode frames; and ~~wherein~~

outputting said unique identifier ~~is only outputted~~ if said
check signal indicates the presence of additional synchronization
symbols within said subcode frames.

7. (Currently amended) ~~Method~~ The method according to claim 5,
~~wherein comprising an act of preventing~~ copying of said record
carrier ~~is prevented~~ if said check signal indicates the absence of
additional synchronization symbols in said subcode frames.

8. (Currently amended) ~~Method~~ The method according to claim 5,
wherein additional synchronization symbols are stored ~~in each~~
~~subcode frame, in particular~~ at the end of each subcode frame.

9. (Currently amended) ~~Method~~ The method according to claim 5,
wherein said subcode frames are part of a subcode Q-channel, ~~in~~

~~particular~~ as defined in the Red Book for CD audio or in the Yellow Book for CD-ROM.

10. (Currently amended) ~~Method~~ The method according to claim 5, wherein said data symbols stored in said subcode frames comprise a unique identifier and error correction data and wherein said additional synchronization symbols are stored to said at least one subcode frame on the cost of said unique identifier or said error correction data.

11. (Currently amended) ~~Method of copy protection of a record carrier, in particular~~ The method according to claim 1, comprising ~~the steps~~acts of:

[[-]] storing subcode data on said record carrier in subcode frames of a subcode channel, each subcode frame comprising synchronization symbols and data symbols at predetermined positions within said subcode frame, and

[[-]] assigning and storing a number of additional synchronization symbols to at least one subcode frame at positions provided for data symbols so that during read-out of said subcode

channel a check signal can be generated indicating the presence or absence of said additional synchronization symbols.

12. (Currently amended) ~~Method~~ A method of using a read-out of
a at least one record carrier on which having a table of contents
for indicating whether the at least one record carrier is
authorized and wherein a non-standard table of content entries
contents are mastered on authorized record carriers, the method
comprising the steps acts of:

[[-]] reading said table of contents,

[[-]] checking if said table of contents ~~are mastered in a~~ is
standard or ~~a non-standard way~~, and

[[-]] outputting a signal indicating if said table of contents
~~are mastered in the~~ is standard or ~~in a non-standard way, a~~
standard table of contents indicating that the record carrier is
not authorized and a non-standard table of contents indicating that
the record carrier is authorized.

13. (Currently amended) ~~Method~~ The method according to claim
12, wherein a unique identifier uniquely identifying said record

carrier read from said record carrier is only outputted if said
table of contents is ~~mastered in a non-standard way~~.

14. (Currently amended) ~~Method~~ The method according to claim
12, wherein copying of said record carrier is prevented if said
table of contents is ~~mastered in a non-standard way~~.

15. (Currently amended) ~~Method~~ The method according to claim
12, comprising acts of:

~~wherein storing,~~ on the record carrier, subcode data are
~~stored~~ in subcode frames of a subcode channel, each subcode frame
comprising synchronization symbols and data symbols at
predetermined positions within said subcode frame; ~~further~~
~~comprising the steps of:~~

[[-]] ~~read-out of~~ reading-out said subcode channel; ~~τ~~

[[-]] checking if additional synchronization symbols are stored
to at least one subcode frame at positions provided for data
symbols; ~~τ~~ and

[[-]] outputting a check signal indicating the presence or
absence of said additional synchronization symbols in at least one

subcode frame.

16. (Currently amended) ~~Method~~ A method of producing a read-
out of a record carrier on which subcode data ~~are~~ is stored in
subcode frames of a subcode channel, each subcode frame comprising
synchronization symbols and data symbols at predetermined positions
within said subcode frame, the method comprising the stepsacts of:

[[-]] ~~read-out of~~ reading out said subcode channel;i τ

[[-]] checking if additional synchronization symbols are stored
to at least one subcode frame at positions provided for data
symbols;i τ and

[[-]] outputting a check signal indicating the presence or
absence of said additional synchronization symbols in at least one
subcode frame, absence of the additional synchronization symbols
indicating that the record carrier is a copy and presence of the
additional synchronization symbols indicating that the record
carrier is an original.

17. (Currently amended) ~~Apparatus~~ An apparatus for copy
detection of ~~a~~ a copy amongst at least one record carrier ~~on which~~

having a table of contents are mastered, the apparatus comprising:

control means for ~~controlling the mastering of said a non-~~
standard table of contents on said an original record carrier, such
~~that said table of contents is mastered in a detectable non-~~
standard way a standard table of contents indicating that the
corresponding at least one record carrier is a copy.

18. (Currently amended) ~~Apparatus for copy protection of a~~
~~record carrier, in particular~~ The apparatus according to claim 8,
comprising:

[[-]] storing means for storing subcode data on said record
carrier in subcode frames of a subcode channel, each subcode frame
comprising synchronization symbols and data symbols at
predetermined positions within said subcode frame, and

[[-]] assigning means for assigning and storing a number of
additional synchronization symbols to at least one subcode frame at
positions provided for data symbols so that during read-out of said
subcode channel a check signal can be generated indicating the
presence or absence of said additional synchronization symbols.

19. (Currently amended) ~~Apparatus~~ An apparatus for using a
read-out of ~~a~~ at least one record carrier on which having a table
of contents ~~is~~ for indicating whether the at least one record
carrier is authorized, wherein non-standard table of contents are
mastered on authorized record carriers, the apparatus comprising:
[[-]] reading means for reading said table of content ~~entries,~~
[[-]] check means for checking if said table of contents is
~~mastered in a standard or a non-standard way, and~~
[[-]] output means for outputting a signal indicating if said
table of contents is ~~mastered in the standard or in a non-standard,~~
way standard table of contents indicating that the record carrier
is not authorized and a non-standard table of contents indicating
that the record carrier is authorized.

20. (Currently amended) ~~Apparatus~~ An apparatus for producing a
read-out of a record carrier on which subcode data are stored in
subcode frames of a subcode channel, each subcode frame comprising
synchronization symbols and data symbols at predetermined positions
within said subcode frame, the apparatus comprising:
[[-]] reading means for read-out of said subcode channel,

[[-]] check means for checking if additional synchronization symbols are stored to at least one subcode frame at positions provided for data symbols, and

[[-]] output means for outputting a check signal indicating the presence or absence of said additional synchronization symbols in at least one subcode frame, absence of the additional synchronization symbols indicating that the record carrier is a copy and presence of the additional synchronization symbols indicating that the record carrier is an original.

21. (Currently amended) A computer readable medium ~~on which having a table of contents is embodied and mastered, wherein the computer readable medium is determined to be a copy if said table of contents is mastered in a detectable standard and an original if said table of contents is non-standard way.~~

22. (Currently amended) A computer readable medium on which subcode data ~~are~~ is stored in subcode frames of a subcode channel, each subcode frame comprising synchronization symbols and data symbols at predetermined positions within said subcode frame,

~~wherein and at least one subcode frame comprising a number of~~
~~additional synchronization symbols are assigned and stored to at~~
~~least one subcode frame at positions provided for data symbols,~~
~~so that wherein during read-out of a record carrier of said~~
~~subcode channel, a check signal can be generated in response to~~
~~detection of said additional synchronization symbols, absence of~~
~~the additional synchronization symbols indicating that the computer~~
~~readable medium is a copy and presence of the additional~~
~~synchronization symbols indicating that the computer readable~~
~~medium is an original.~~

23. (Currently amended) ~~Computer~~ A computer program embodied
on a computer readable medium for implementing the a method of
claim 1, comprising program code means instructions for when said
computer program is executed on a computer causing a said computer
to perform the steps of the method as claimed in claim 1 when said
computer program is run on a computer detect a copy amongst at
least one record carrier having a table of contents, the method
comprising acts of mastering a non-standard table of contents on an

original record carrier, a standard table of contents indicating
that the corresponding at least one record carrier is a copy.